

Records of *Platycerus* (Coleoptera, Lucanidae) from Henan Province, Central China

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Abstract Three species of the lucanid genus *Platycerus* are recorded from the Baotianman Nature Reserve in western Henan of Central China, namely, *P. businskyi*, *P. hongwonpyoi* and *P. tabanai*. The latter two are described as new subspecies under the names *P. h. funiuensis* and *P. t. baotianmanus*.

No *Platycerus* lucanid beetles have hitherto been recorded from Henan Province in Central China. Recently, I had an opportunity to examine a short series of lucanid specimens belonging to that genus collected from the Baotianman Nature Reserve located on the Fu’niu Shan Mountains in the western part of the same province. The series contained three species, determined respectively as *P. businskyi*, *P. hongwonpyoi* and *P. tabanai*. This lineup is quite the same as that on the Qinling Mountains of southern Shaanxi, the western continuation of the Fu’niu Shans, and furnishes the positive proof of a close faunal relationship between the two mountain ranges. In the present paper, I am going to give the collecting data for all the three species. Two of the three, *P. hongwonpyoi* and *P. tabanai*, will be described as new subspecies under the names of *funiuensis* and *baotianmanus*. The distributional range of the genus *Platycerus* in China now extends over the following eight provinces and city: Liaoning, Henan, Hubei, Hunan, Shaanxi, Chongqing (=a part of Sichuan formerly), Sichuan and Yunnan.

I thank Mr. Jaroslav TURNA (Czech Republic) for his kind aid in various ways. Thanks are also due to Mr. Shigehiko SHIYAKE (Osaka Museum of Natural History) for kindly taking trouble for a loan of the type specimens of *P. tabanai*. Hearty thanks are also due to Dr. Shun-Ichi UÉNO (National Science Museum, Tokyo) for reading the manuscript of this paper.

1. *Platycerus businskyi* IMURA, 1996

(Fig. 1)

Platycerus businskyi IMURA, 1996, Nat. & Ins., Tokyo, **31**(6), p. 42, figs. 1, 2; type locality: Xunyangba in Ningshan Xian on the southern slope of the Qinling Mountains, 1,400–2,100 m alt., Shaanxi Province, Central China.

Specimen examined. 1♀, Baotianman [宝天曼] Nature Reserve, 33.5°N/111.9°E, on the Fu'niu Shan [伏牛山] Mountains, in Neixiang Xian [内乡县], of western Henan, Central China, 15~17-V-2005, in coll. Y. IMURA.

Remarks. This specimen is rather small for the species (10.1 mm in the length measured including the mandibles), with the dorsal surface not brassy as in the nominotypical subspecies of the Qinling Mountains (IMURA, 1996, p. 42) but dark greenish blue as in certain individuals of subsp. *bashanicus* of the Daba Shans (IMURA & TANIKADO, 1998, p. 93), and seems to be more closely related to the latter than to the former so far as the single female specimen is concerned. However, judgment on its subspecific account will be suspended until I can examine more specimens including the male.

2. *Platycerus hongwonpyoi funiuensis* IMURA, subsp. nov.

(Figs. 2, 3)

Length (including mandibles): ♂ 10.2–11.7 mm; ♀ 9.9–10.7 mm. Closely allied to subsp. *qinlingensis* (IMURA, 1993, p. 12; '94, p. 10), but discriminated from that race as follows: 1) dorsal surface less strongly green-bluish and faintly bearing a yellowish coppery tinge in male; 2) abdominal sternite VII and lateral portions of sternites IV–VI dark brownish black or at most dark reddish brown; 3) front angles of pronotum a little less strongly protruded anteriad; 4) elytral surface a little less strongly rugosostriate. From subsp. *dabashanensis* (OKUDA, 1997, p. 12), the new race could be distinguished by darker coloration of abdominal sternites, less hypertrophic head, less strongly depressed upper surface of mandibles, and a little more weakly wrinkled elytral surface, etc. There is no significant difference in conformation of the genitalia of both sexes among the three subspecies.

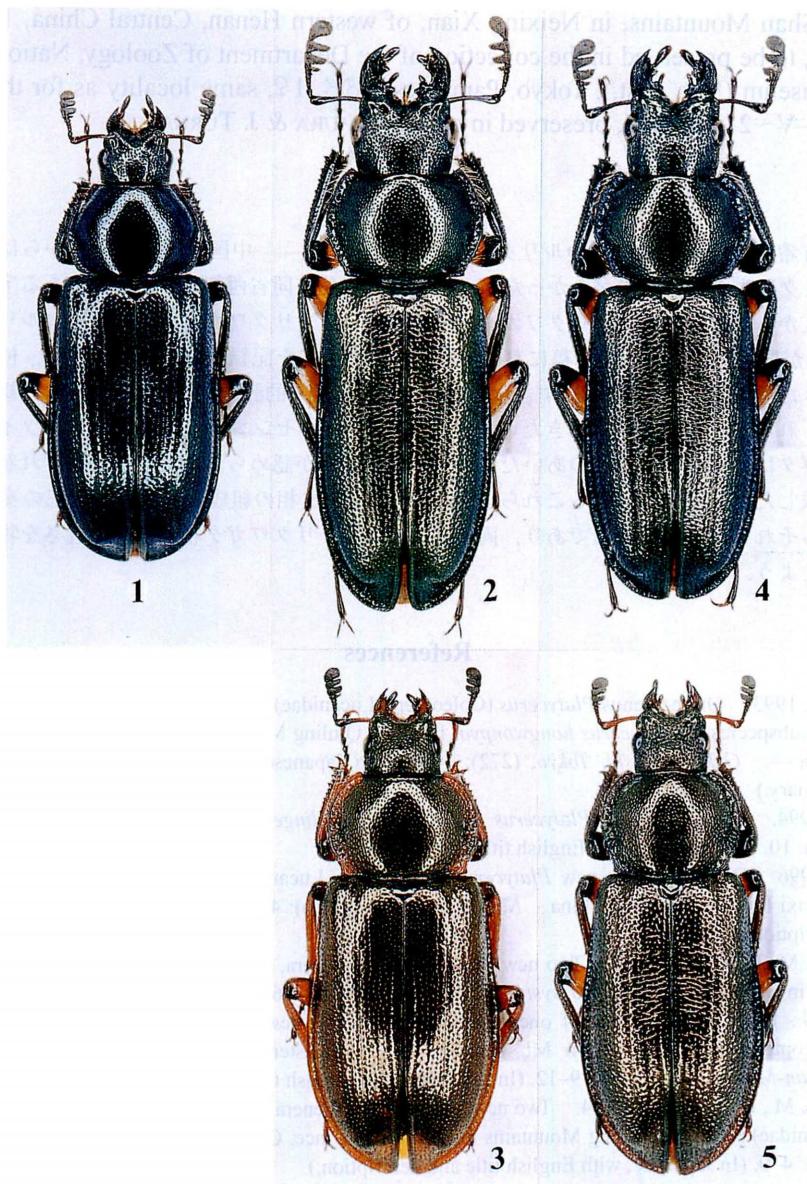
Type series. Holotype: ♂, Baotianman Nature Reserve, 33.5°N/111.9°E, on the Fu'niu Shan Mountains, in Neixiang Xian, of western Henan, Central China, 15–V~2–VI–2005, to be preserved in the collection of the Department of Zoology, National Science Museum (Nat. Hist.), Tokyo. Paratypes: 5♂♂, 4♀♀, same data as for the holotype, preserved in colls. Y. IMURA & J. TURNA.

3. *Platycerus tabanai baotianmanus* IMURA, subsp. nov.

(Figs. 4, 5)

Length (including mandibles): ♂ 11.1–11.7 mm; ♀ 10.2 mm. Discriminated from the nominotypical subspecies (TANIKADO & OKUDA, 1994, p. 8) in the following points: 1) dorsal surface more strongly bluish in male and darker bearing a faint bluish tinge in female; 2) front angles of pronotum a little less sharply pointed in male; 3) aedeagus a little different in shape, with a pair of visor-like protuberances less obtusely rounded at ventral corners.

Type series. Holotype: ♂, Baotianman Nature Reserve, 33.5°N/111.9°E, on the



Figs. 1-5. *Platycerus* spp. from the Baotianman Nature Reserve in western Henan, Central China. — 1, *P. businskyi* (♀); 2-3, *P. hongwonpyoi funiuensis* (2, holotype, ♂; 3, paratype, ♀). — 4-5, *P. taibanai baotianmanus* subsp. nov. (4, holotype, ♂; 5, paratype, ♀).

Fu'niu Shan Mountains, in Neixing Xian, of western Henan, Central China, 15~17-V~2005, to be preserved in the collection of the Department of Zoology, National Science Museum (Nat. Hist.), Tokyo. Paratypes: 4♂♂, 1♀, same locality as for the holotype, 15-V~2-VI~2005, preserved in colls. Y. IMURA & J. TURNA.

要 約

井村有希：中国河南省からのルリクワガタ属の記録。——中国中部の河南省からはこれまで、ルリクワガタ属の記録がなかったが、2005年の初夏に同省西部の伏牛山塊にある宝天曼自然保護区からブジンスキルリクワガタ、チョウセンコルリクワガタ、テツイロコルリクワガタの3種が採集されたので、本稿においてそれらのすべてを記録した。最初の種は、検するとのできた標本がただ1点の♀にすぎないため、その分類学的評価については♂を含む複数の個体が得られるまで保留としておきたい。残る2種、チョウセンコルリクワガタとテツイロコルリクワガタは、既知の亜種とのあいだに形態学的な差異が認められたため、それぞれ新亜種として記載した。伏牛山におけるこれら3種のルリクワガタ相の組成は、陝西省南部の秦嶺山脈におけるそれとまったく同じであり、両地域におけるルリクワガタ相の類縁の近さを物語るものといえよう。

References

IMURA, Y., 1993. On the genus *Platycerus* (Coleoptera, Lucanidae) of China and Korea — Discovery of a new subspecies of *Platycerus hongwonpyoi* from the Qinling Mountains in Shaanxi Province, Central China —. *Gekkan-Mushi, Tokyo*, (272): 10–13. (In Japanese, with English title, description and summary.)

——— 1994. The female of *Platycerus hongwonpyoi qinlingensis* (Coleoptera, Lucanidae). *Ibid.*, (278): 10. (In Japanese, with English title and summary.)

——— 1996. Discovery of a new *Platycerus* (Coleoptera, Lucanidae) from the Qinling Mountains in Shaanxi Province, Central China. *Nat. & Ins., Tokyo*, **31**(6): 42–43. (In Japanese, with English title, description and summary.)

——— & M. TANIKADO, 1998. Two new *Platycerus* (Coleoptera, Lucanidae) from the Dabashan Mountains in Central China. *Jpn. J. syst. Ent., Matsuyama*, **4**: 93–96.

OKUDA, N., 1997. Descriptions of one new species and one new subspecies of the genus *Platycerus* (Coleoptera, Lucanidae) from Mt. Dabashan in northeastern Sichuan Province, Central China. *Gekkan-Mushi, Tokyo*, (313): 9–12. (In Japanese, with English title and description.)

TANIKADO, M., & N. OKUDA, 1994. Two new species of the genera *Ceruchus* and *Platycerus* (Coleoptera, Lucanidae) from the Qinling Mountains in Shaanxi Province, Central China. *Gekkan-Mushi, Tokyo*, (278): 4–9. (In Japanese, with English title and description.)